

Multifunctional operatory laparoscopy device permitting to execute different operatory actions with instruments introduction.

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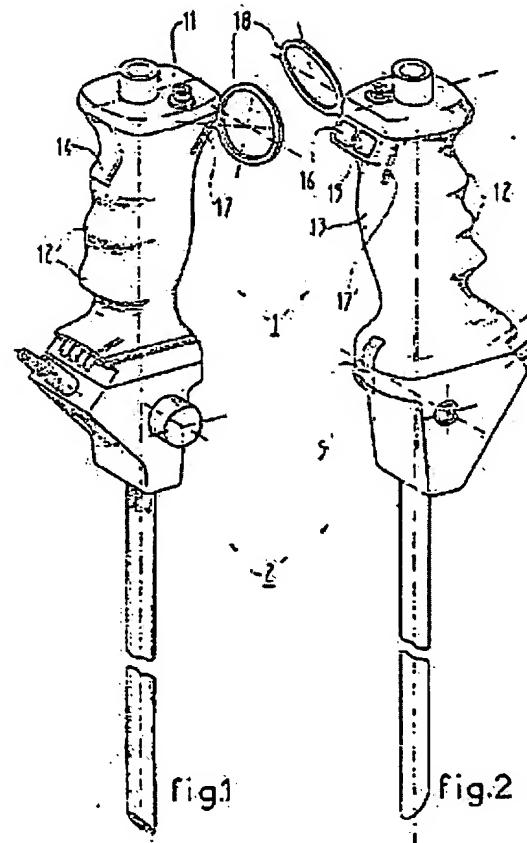
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 EP0327410 (B1)

Cited documents:
 FR2474857
 US4597380
 DE8225493U
 EP0172490

Abstract not available for EP0327410

Abstract of correspondent: **US4924851**

Operative coelioscopy surgical apparatus for receiving electrical instruments, flexible mechanical instruments and rigid mechanical instruments. The apparatus includes a tubular canula and a handle member which is removably attached to the canula by a bayonet-type connection. The handle is provided with a series of control members which may be operated either simultaneously or separately, and these comprise a first push-button for controlling the transmission of irrigation fluids through the canula, a second push-button for controlling the aspiration of irrigation or body fluids through the canula, a third push-button for supplying electrical power and a lever member for mechanically controlling the movement of rigid and flexible instruments.



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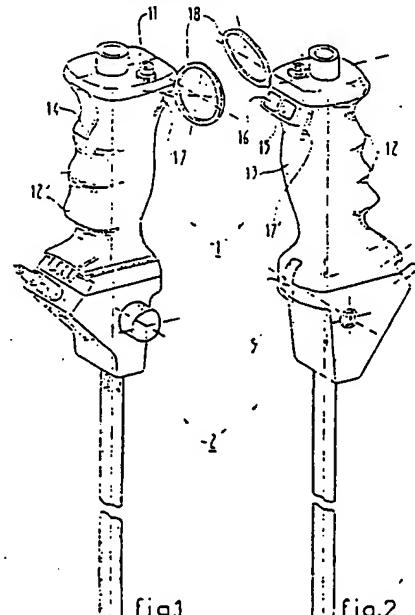
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㉙ Dispositif de coelioscopie opératoire multifonctionnel permettant d'effectuer différents gestes opératoires avec introduction d'instruments.

㉚ L'invention concerne un instrument multifonctionnel de coelioscopie opératoire.

suivant l'invention, l'appareil est constitué d'au moins deux parties : une poignée (1) et une canule (2) ; la poignée comporte des moyens de commande électrique d'aspiration (15) et/ou d'injection (16) de liquide, des moyens (14) de commande électrique d'un coagulateur ou d'un laser chirurgical et des moyens (18) de commande mécanique d'instruments rigides ou souples. L'invention porte aussi sur les moyens de transmission, intérieurs à la poignée, de la commande mécanique ainsi que sur l'organisation des divers conduits dans la poignée et dans la canule. L'invention porte aussi sur les moyens d'intégration de l'instrument dans une installation de bloc opératoire.

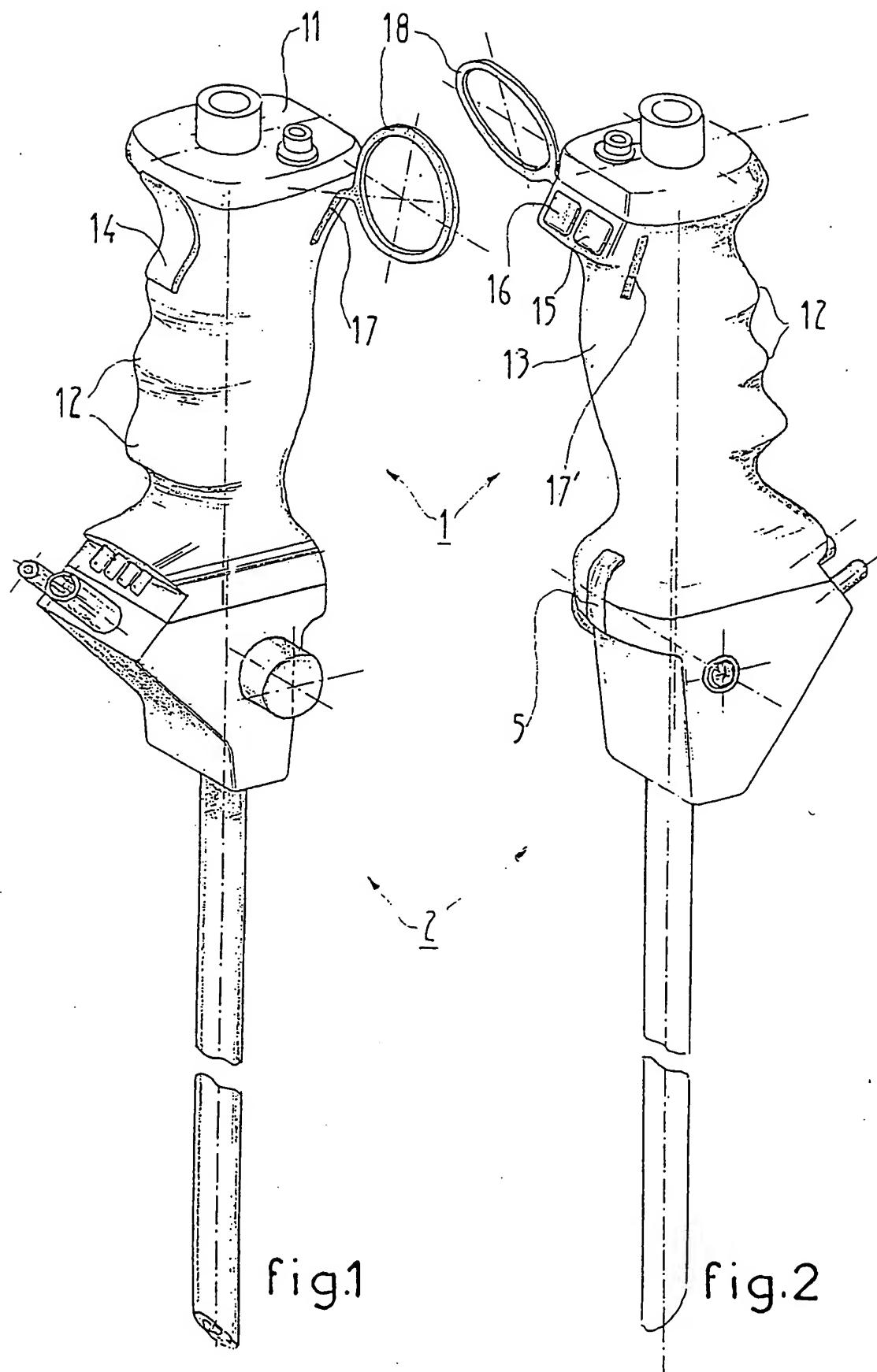
L'invention trouve son application dans les nombreux domaines de la coelioscopie opératoire.



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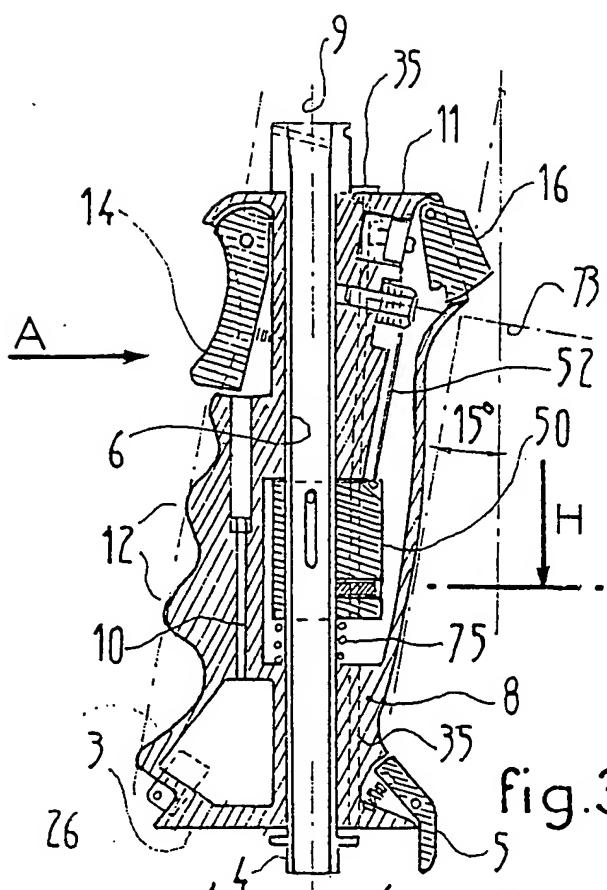


fig.3

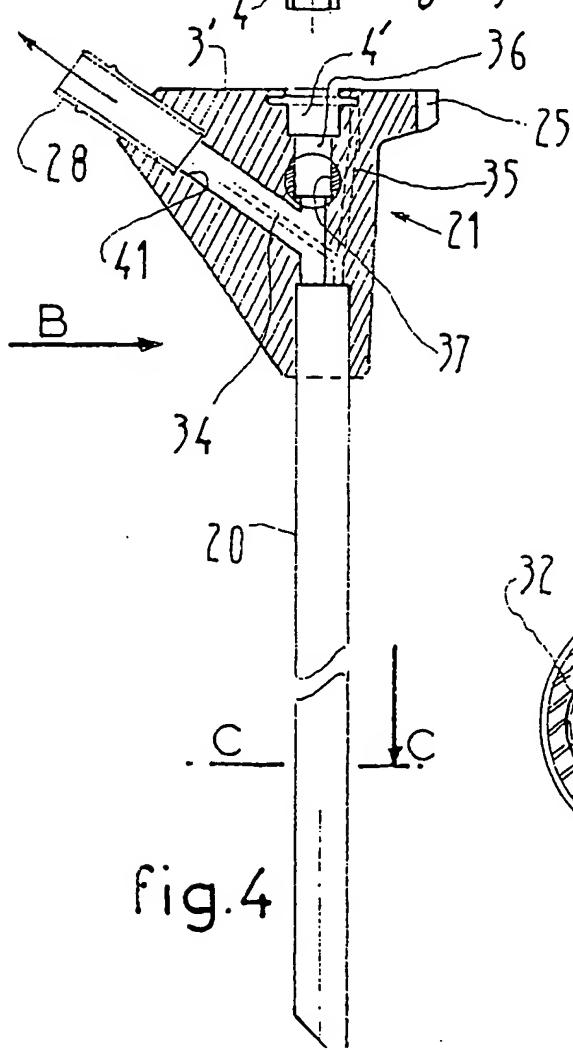


fig.4

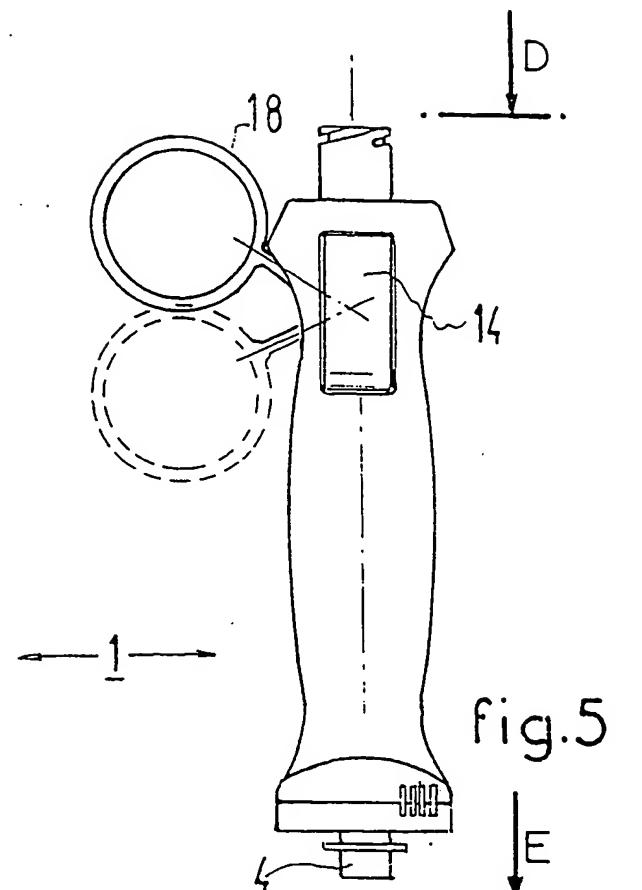


fig.5

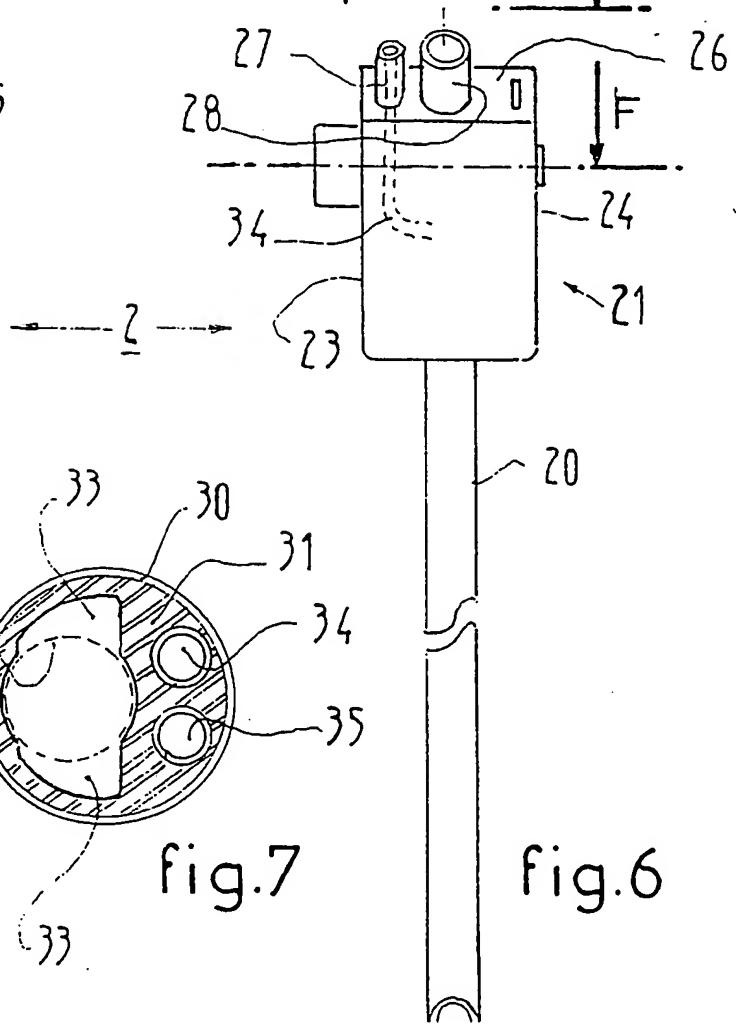


fig.6

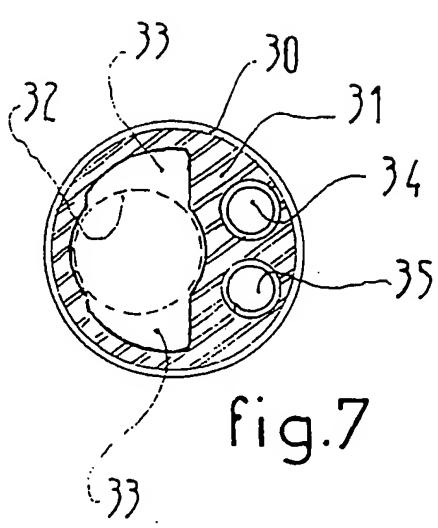


fig.7

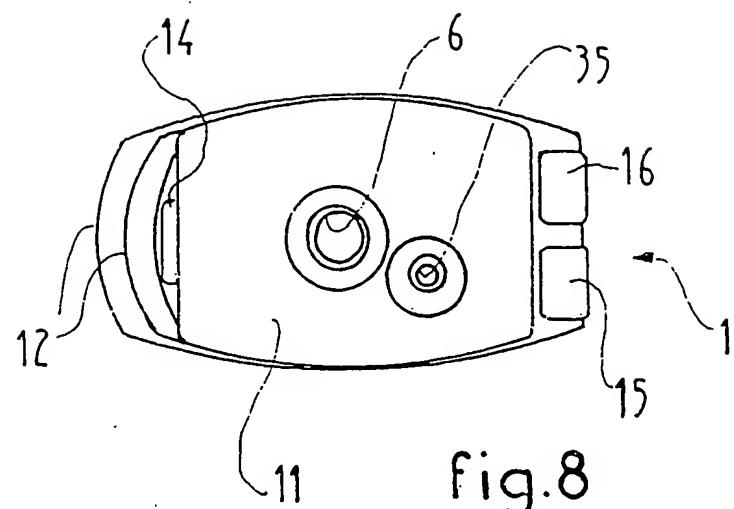


fig.8

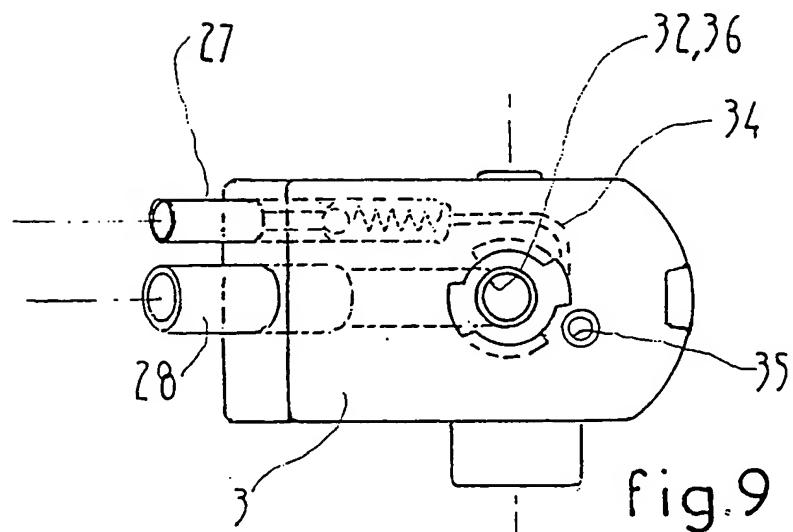


fig.9

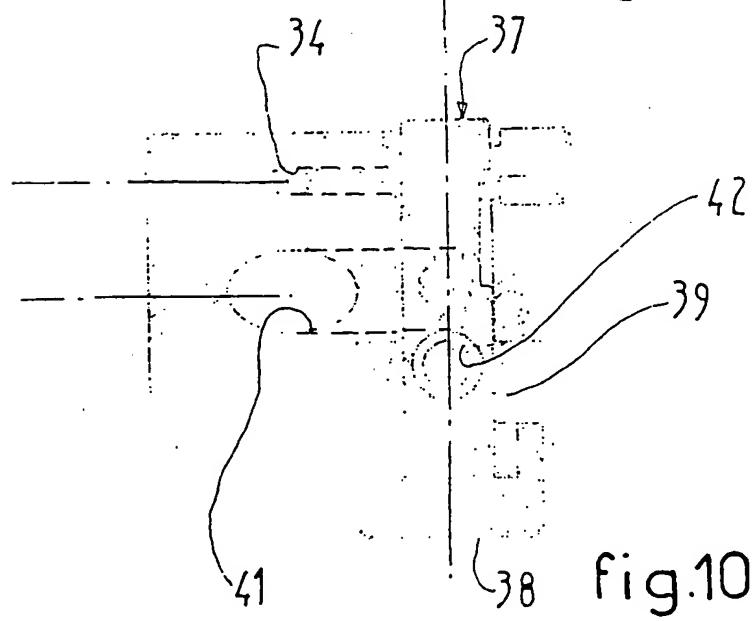
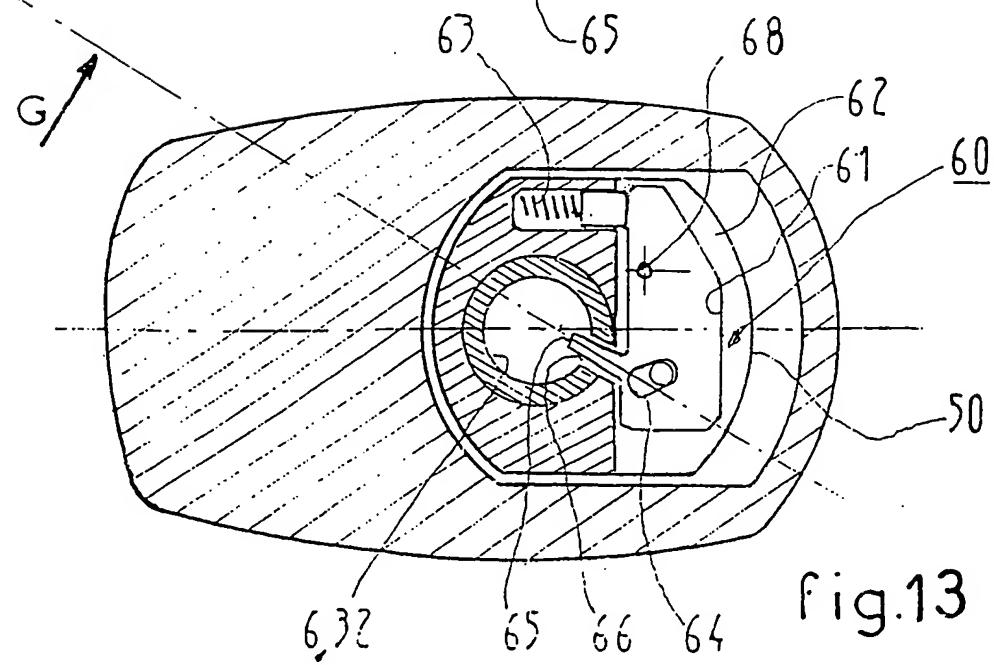
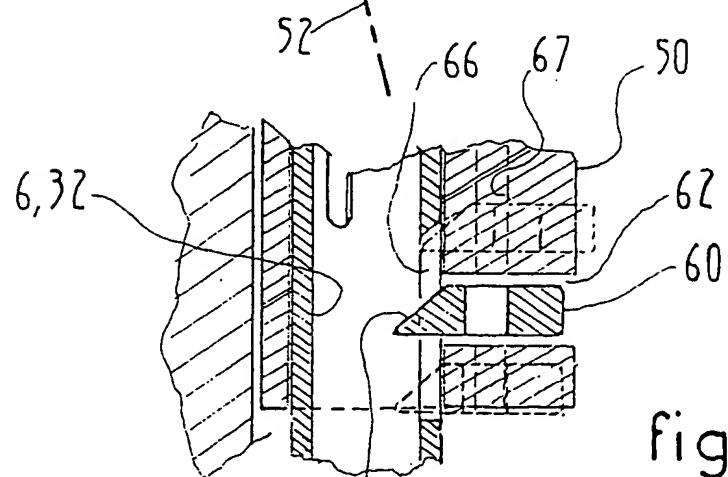
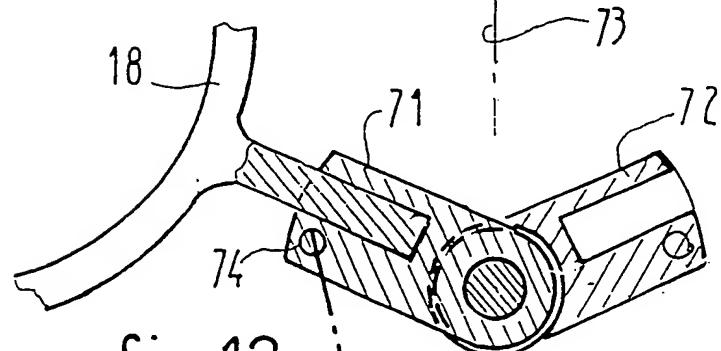
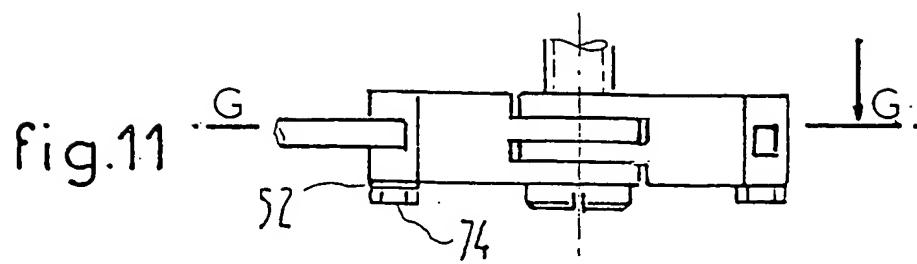


fig.10



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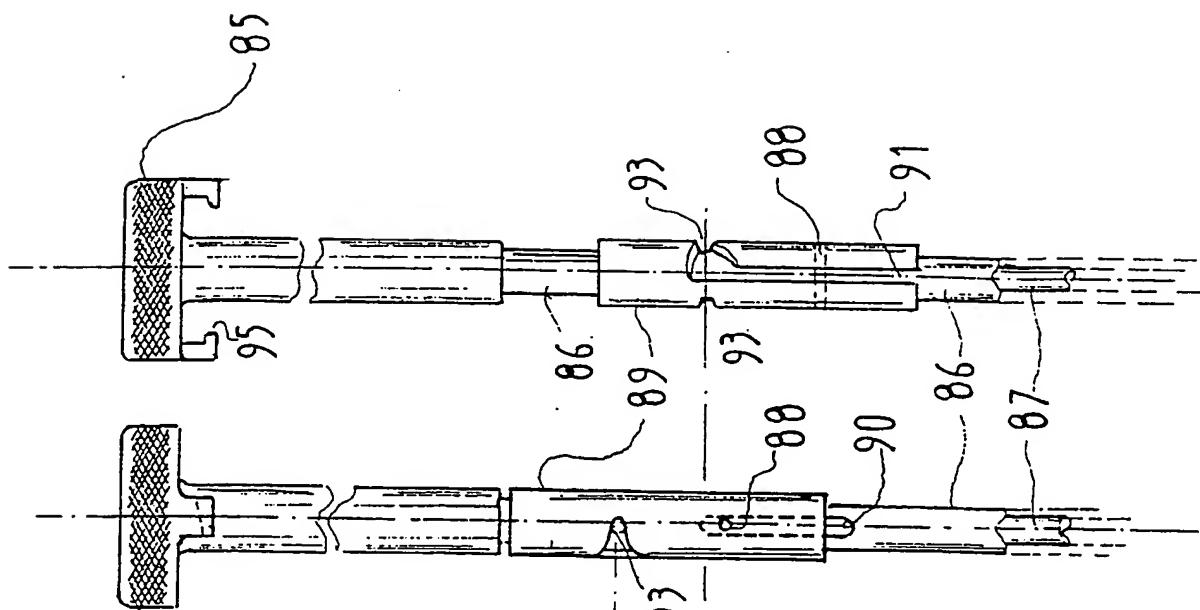


fig. 17 fig. 18

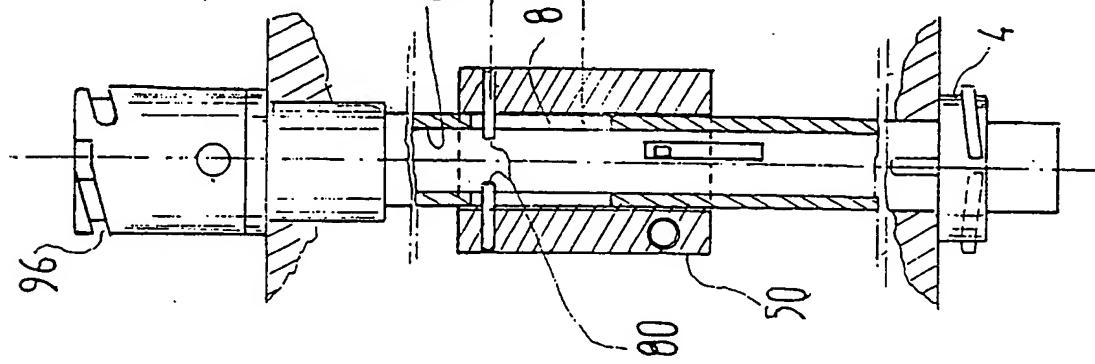


fig.16

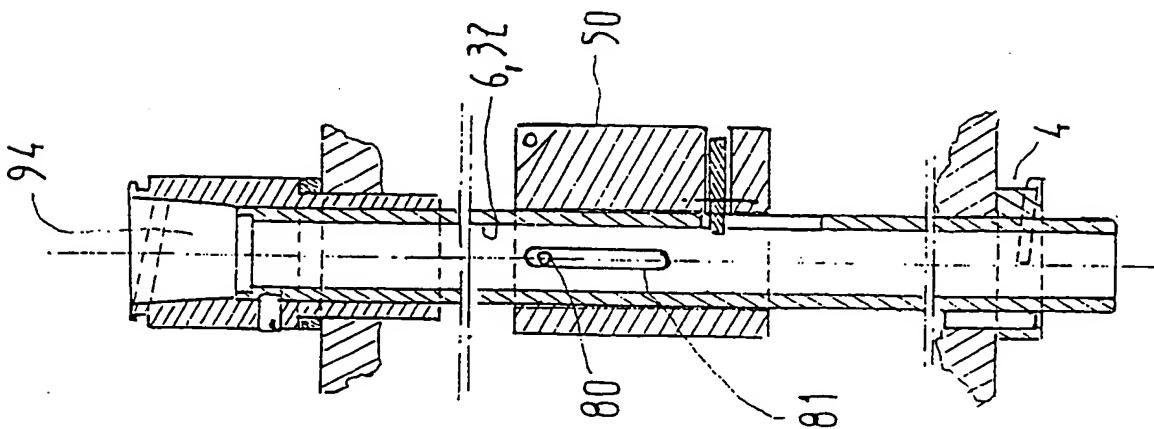


fig. 15

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